

IN THE CLAIMS:

Claim 1-13 (Canceled)

Claim 14 (Original): A method of setting a working gap of an armature assembly in a fuel injector, the fuel injector having a housing including a first end and a second end extending between a longitudinal axis, a housing having a flow passage extending between the first and second ends, an electromagnetic actuator including a stator and an armature assembly, a spring disposed between the stator and the armature assembly and operable to push the armature assembly towards the second end to form a gap therein, the method comprising:

inserting a sleeve and a flow metering assembly within the flow passage, the flow metering assembly limiting the movement of the armature assembly towards the second end; and

limiting the inserting of the flow metering assembly along the longitudinal axis toward a first end by a position of the sleeve, the position defining the magnitude of the gap between the stator and the armature assembly.

Claim 15 (Original): The method according to claim 14, wherein the housing further comprises a tube.

Claim 16 (Original): The method according to claim 14, wherein the flow metering assembly includes at least one of a seat, an armature guide and an orifice disk.

Claim 17 (Original): The method according to claim 14, wherein the sleeve has an outside diameter that grips the inside diameter of the flow passage.

Claim 18 (Original): The method according to claim 14, wherein the limiting further comprises a sleeve in contiguous engagement with the flow metering assembly.

Claim 19 (Original): The method according to claim 14, further comprising:
adjusting a volume of fuel dispensed by the fuel injector by moving at least one of the sleeve and seat along the longitudinal axis.